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Application Number	09/892,198	Conf. No. 9950
Filing Date	June 25, 2001	
First Named Inventor	Dan Newell	
Group Art Unit	2173	
Examiner Name	Unknown	

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	T			U.S. PATENT DOCUME	NIO	
EXAMINER INITIALS []	Cite No.		nent nd Code f known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TH		4,916,441		Gombrich	4/10/90	
1		5,032,083		Friedman	7/16/91	
		5,201,034		Matsuura et al.	4/6/93	D=0="/ED
		5,208,449		Eastman et al.	5/4/93	RECEIVED
		5,214,757		Mauney et al.	5/25/93	NOV 1 5 2002
		5,227,614		Danielson et al.	7/13/93 T	shnology Center 2100
		5,335,276		Thompson et al.	8/2/94	billiology beniel 2100
		5,416,730		Lookofsky	5/16/95	
		5,470,233		Fruchterman et al.	11/28/95	
		5,493,692		Theimer et al.	2/20/96	
		5,555,376		Theimer et al.	9/10/96	
		5,559,520		Barzegar et al.	9/24/96	
		5,568,645		Morris et al.	10/22/96	
		5,601,435		Quy	2/11/97	
		5,611,050		Theimer et al.	3/11/97	
		5,642,303		Small et al.	6/24/97	
		5,646,629		Loomis et al.	7/8/97	
		5,719,744		Jenkins et al.	2/17/98	
		5,726,660		Purdy et al.	3/10/98	
		5,751,260		Nappi et al.	5/12/98	
		5,781,913		Felsenstein et al.	7/14/98	
		5,790,974		Tognazzini	8/4/98	
		5,798,733		Ethridge	8/25/98	
		5,812,865		Theimer et al.	9/22/98	
		5,873,070		Bunte et al.	2/16/99	
→		5,878,274		Kono et al.	3/2/99	

EXAMINER	**************************************	DATE CONSIDERED	
	Tedesse Harlin	12/3/03	
* EXAMINER:	Initial if reference considered, whether or not criteria	is in conformance with MPEP 609.	Draw line through citation if not in

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Attorney Docket No.	2044380011151				

EXAMINER INITIALS	Cite No.	,	nt Name of Patentee or Applicant I Code of Cited Document mown)	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TH		5,902,347	Backman et al.	5/11/99	
1		5,910,799	Carpenter et al.	6/8/99	
		5,938,721	Dussell et al.	8/17/99	
		5,948,041	Abo et al.	9/7/99	RECEIVED
		5,959,611	Smailagic et al.	9/28/99	1
		5,991,687	Hale et al.	11/23/99	
		6,047,301	Bjorklund et al.	4/4/00	echnology Center 210
		6,064,943	Clark, Jr. et al.	5/16/00	
		6,108,197	Janik	8/22/00	
		6,127,990	Zwern	10/3/00	

			FO	REIGN PATENT DOCUMENT	CS .		
EXAMINER INITIALS	Cite No.	Office	Foreign Patent Document Kind Code Number (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т
TH		PCT	WO 90/08361	The Scott Fetzer Company	7/26/90		
		PCT	WO 97/03434	Virtual I/O, Inc.	1/30/97		
		EPO	EP 0823 813A2	Kopin Corporation	2/11/98		П
		ЉО.	05260188	Matsushita Electric Ind. Co. Ltd.	10/8/93		
		ЈРО	09091112	Toshiba Corp.	4/4/97		

		OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS	
EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, scrial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	Т
TH		"'Affective Understanding:' Modeling and Responding to User Affect," http://www.media.mit.edu/affect/AC_research/understanding.html, pp. 1-3 [Accessed 2 Oct 1998].	
TH		"Alps GlidePoint," http://www.alps.com/p17.html, p. 1 [Accessed 2 Oct 1998].	
TH		"GyroPoint Technology," http://www.gyration.com/html/gyropoint.html, pp. 1-3 [Accessed 2 Oct 1998].	
TH		"Haptics," http://www.ai.mit.edu/projects/handarm-haptics/haptics.html, pp. 1-2 [Accessed 2 Oct 1998].	

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EXAMINER -	DATE CONSIDERED
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* EXAMINER: Initial if reference considered, whether or not criteria	is in conformance with MPEP 609. Draw line through citation if not in

conformance and not considered. Include copy of this form with next communication to applicant(s). Q:\Clients\Tangis (29443)\8001 - Presenting Output\US01 - non-provisional\SB08.doc

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		OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS	7 2
EXAMINER INITIALS*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	
TH		"Research Areas in Affective Computing," http://www.media.mit.edu/affect/, p. 1 [Accessed 2 Oct 1998].	
i		"Research on Affective Pattern Recognition and Modeling,"	t
ſ		http://www.media.mit.edu/affect/AC_research/recognizing.html, pp. 1-4 [Accessed 2 Oct 1998].	
		"Research on Sensing Human Affect," http://www.media.mit.edu/affect/AC_research/sensing.html, pp. 1-5	t
		[Accessed 2 Oct 1998].	4
		"Smart Rooms," http://vismod.www.media.mit.edu/vismod/demos/smartroom/, pp. 1-3 [Accessed 2 Oct 1998].	
	-	"SmartDesk Home Page," http://vismod.www.media.mit.edu/vismod/demos/smartdesk/, pp. 1-4 [Accessed 2 Oct 1998].	
		"The MIT Wearable Computing Web Page," http://wearables.www.media.mit.edu/projects/wearables/, pp. 1-3 [Accessed 2 Oct 1998].	
		"Wearable Computer Systems for Affective Computing,"	1
		http://www.media.mit.edu/affect/AC_research/wearables.html, pp. 1-5	ı
		[Accessed 2 Oct 1998].	
		Bauer et al., "A Collaborative Wearable System with Remote Sensing," University of Oregon, February 1996	
		Billinghurst, Mark and Thad Starner, "New Ways to Manage Information," <i>IEEE</i> , pp. 57-64, January 1999.	
	·	Finger et al., "Rapid Design and Manufacture of Wearable Computers," Communication of the ACM, Vol. 39, No. 2, February 1996, pp. 63-68	
		Hull et al., "Towards Situated Computing," Hewlett-Packard Laboratories, HPL-97-66 (1997).	1
		Kirsch, Dana, "The Sentic Mouse: A tool for measuring emotional valence,"	1
		http://www.media.mit.edu/affect/AC_research/projects/sentic_mouse.html, pp. 1-2 [Accessed 2 Oct 1998].	
		Kortuem et al., "Context-Aware, Adaptive Wearable Computers as Remote Interfaces to 'Intelligent' Environments," University of Oregon, October 1998	
		Lunt, Teresa F. et al., "Knowledge-Based Intrusion Detection," Proceedings of the Annual	1
		Artificial Intelligence Systems in Government Conference, IEEE Comp. Soc. Press, Vol. Conf. 4, 1989, pages 102-107.	-
		Maes, Pattie, "Agents That Reduce Work and Information Overload," Communications of the ACM. Vol. 37, No. 7, July 1994.	
		Mann, Steve, "'Smart Clothing': Wearable Multimedia Computing and 'Personal Imaging' to Restore the Technological Balance Between People and Their Environments", ACM Multimedia, November 1996, pp. 163-174	1
		Metz, Cade, "MIT: Wearable PCs, Electronic Ink, and Smart Rooms," PC Magazaine, p. 192-193, June 1998.	.]
		Oakes, Chris, "The Truman Show Realized?," http://www.wired.com/news/news/technology/story/15745.html, pp. 1-4	
		[Accessed 21 Oct 1998].	
		Picard, R.W. and Healey, J., "Affective Wearables," Personal Technologies vol. 1: 231-240, MIT Media Laboratory (1997).	

EXAMINER 7	Ederac Halm	DATE CONSIDERED /2/3/03	
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^{*} EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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COMPLETE IF KNOWN 09/892,198 Conf. No. 9950 Application Number Substitute fo June 25, 2001 ORMATION DISCLOSURE Filing Date Dan Newell STATEMENT BY APPLICANT First Named Inventor 2173 Group Art Unit Unknown (use as many sheets as necessary) **Examiner Name** 294438001UJechnology Center 2100 of 4 Attorney Docket No. Sheet

		OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS	
EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	Т
TH		Rekimoto et al., "The World through the computer: Computer Augmented Interaction with Real World Environments, " ACM, November 1995, pp. 29-36	
		Rhodes, Bradley, "WIMP Interface Considered Fatal," http://rhodes.www.media.mit.edu/people/rhodes/Papers/no-wimp.html, pp. 1-3 [Accessed 2 Oct 1998].	
		Rhodes, Bradley, J. "The Wearable Remembrance Agent: A System for Augmented Memory," Proceedings of the First International Symposium on Wearable Computers (ISWC '97), Cambridge, MA, October 13-14, 1997.	
		Sato, J. et al., "Autonomous Behavior Control of Virtual Actors Based on the AIR Model," Proceedings Computer Animation, June 5, 1997.	
		Smailagic et al., "Matching interface design with user task: Modalities of Interaction with CMU Wearable Computers," IEEE Personal Communications, February 1996, pp. 14-25	
		Starner et al., "Visual Contextual Awareness in Wearable Computing," Media Lab, MIT, October 1998	
		Tan, Hong Z. and Alex Pentland, "Tactual Displays for Wearable Computing," <i>IEEE</i> , Massachusetts Institute of Technology Media Laboratory, pp. 84-88, 1997.	
		Lashkari, Yezdi et al., "Collaborative Interface Agents," Proccedings of AAAI '94 Conference, Seattle, Washington, August 1994.	

EXAMINER	DATE CONSIDERED
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* EXAMINER: Initial if reference considered, whether or not criteria	is in conformance with MPEP 609. Draw line through citation if not in

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